

SEQUENCE LISTING

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MORRIS, AARON J.

<120> METHODS AND REAGENTS FOR ISOLATING BIOLOGICALLY ACTIVE
PEPTIDES

<130> MIV-106.01

<140> 09/174,943

<141> 1998-10-19

<160> 8

<170> PatentIn Ver. 2.0

<210> 1

<211> 527

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: pAM6 M13/COS
peptide expression plasmid

<220>

<221> CDS

<222> (124..222, 226..417)

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cgcaattact gtgagtttagc tcaactcatta ggcaccccag gctttacact ttatacttcc 60

ggctcgtata ttgtgtggaa ttgtgagcgg ataacaattt ctagaaggaa acaggtaagt 120

atg aaa aaa tta tta ttc gca att cct tta gtt gtt cct ttc tat tct 168

Lys Lys Leu Leu Phe Ala Ile Pro Leu Val Val Pro Phe Tyr Ser
1 5 10 15

cac tcc gct gaa tta ctg aca tcc act ttg cct ttc tct cca cag ggg 216

His Ser Ala Glu Leu Leu Thr Ser Thr Leu Pro Phe Ser Pro Gln Gly
20 25 30

gcc acc atg aaa tgc agc tgg gtt atc ttc ttc ctg atg gca gtg gtt 264

Ala Thr Lys Cys Ser Trp Val Ile Phe Phe Leu Met Ala Val Val
35 40 45

aca ggg gtc aat tca gca cca ggc gga tgg gcg gcc gca gag caa aag 312

Thr Gly Val Asn Ser Ala Pro Gly Gly Trp Ala Ala Ala Glu Gln Lys
50 55 60

ctc att tct gaa gag gac ttg gca cac cat cac cat cac cat ctg cag 360

Leu Ile Ser Glu Glu Asp Leu Ala His His His His His His Leu Gln
65 70 75

cca tta tct tgg cag gta agt gct gag ggt gac gat ccc ttc acc tcg 408

Pro Leu Ser Trp Gln Val Ser Ala Glu Gly Asp Asp Pro Phe Thr Ser

10080354-022202

80

85

90

aaa gca agc tgataaagtc taagcccgcc taatgagcgg gctttttttt

457

Lys Ala Ser

95

tactgacatc ctcgaggcct ttctctccac aggggtagat aactgaactt gtttattgca

517

gattataatg

527

<210> 2

<211> 97

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: pAM6

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Lys Lys Leu Leu Phe Ala Ile Pro Leu Val Val Pro Phe Tyr Ser His

1

5

10

15

Ser Ala Glu Leu Leu Thr Ser Thr Leu Pro Phe Ser Pro Gln Gly Ala

20

25

30

Thr Lys Cys Ser Trp Val Ile Phe Phe Leu Met Ala Val Val Thr Gly

35

40

45

Val Asn Ser Ala Pro Gly Gly Trp Ala Ala Ala Glu Gln Lys Leu Ile

50

55

60

Ser Glu Glu Asp Leu Ala His His His His His His Leu Gln Pro Leu

65

70

75

80

Ser Trp Gln Val Ser Ala Glu Gly Asp Asp Pro Phe Thr Ser Lys Ala

85

90

95

Ser

<210> 3

<211> 488

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: pAM7 M13/COS
peptide expression plasmid

<220>

<221> CDS

<222> (25..78, 193..378)

<400> 3

cgcaattact ctagagccac catg aaa tgc agc tgg gtt atc ttc ttc ctg

51

Lys Cys Ser Trp Val Ile Phe Phe Leu

20220220-1580800T

1

5

atg gca gtg gtt aca ggg gtc aat tca ggtaagtga ttagctcact 98
 Met Ala Val Val Thr Gly Val Asn Ser
 10 15

cattaggcac cccaggcttt acactttata cttccggctc gtatattgtg tggaattgtg 158

agcggataac aatttcacac aggaaacagc tatg aaa atc aaa ctg gcg tta 210
 Lys Ile Lys Leu Ala Leu
 20

ctc gcc ctg act tct ctt tct gct ctt gca ggt cca ggc gga tgg gcg 258
 Leu Ala Leu Thr Ser Leu Ser Ala Leu Ala Gly Pro Gly Gly Trp Ala
 25 30 35 40

gcc gca gag caa aag ctc att tct gaa gag gac ttg gca cac cat cac 306
 Ala Ala Glu Gln Lys Leu Ile Ser Glu Glu Asp Leu Ala His His His
 45 50 55

cat cac cat ctg cag cca tta tct tgg cag gta agt gct gag ggt gac 354
 His His His Leu Gln Pro Leu Ser Trp Gln Val Ser Ala Glu Gly Asp
 60 65 70

gat ccc ttc acc tcg aaa gca agc tgataaagtc taagcccgcc taatgagcgg 408
 Asp Pro Phe Thr Ser Lys Ala Ser
 75 80

gctttttttt tactgacatc ctgaggcct ttctctccac aggggtagat aactgaactt 468

gtttattgca gattataatg 488

<210> 4
 <211> 80
 <212> PRT
 <213> Artificial Sequence

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 <223> Description of Artificial Sequence: pAM7

<400> 4
 Lys Cys Ser Trp Val Ile Phe Phe Leu Met Ala Val Val Thr Gly Val
 1 5 10 15

Asn Ser Lys Ile Lys Leu Ala Leu Leu Ala Leu Thr Ser Leu Ser Ala
 20 25 30

Leu Ala Gly Pro Gly Gly Trp Ala Ala Ala Glu Gln Lys Leu Ile Ser
 35 40 45

Glu Glu Asp Leu Ala His His His His His His Leu Gln Pro Leu Ser
 50 55 60

Trp Gln Val Ser Ala Glu Gly Asp Asp Pro Phe Thr Ser Lys Ala Ser
 65 70 75 80

20220220-153000T

<210> 5
<211> 426
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: pAM8 M13/COS
peptide expression plasmid

<220>
<221> CDS
<222> (121)..(324)

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ggctcgtata ttgtgtggaa ttgtgagcgg ataacaattt ctagaaggaa agccaccatg 120

tct atc caa cac ttc cgt gtt gca tta atc cct ttc ttt gca gcg ttc 168
Ser Ile Gln His Phe Arg Val Ala Leu Ile Pro Phe Phe Ala Ala Phe
1 5 10 15

tgt tta cct gtt ttc gca ggt cca ggc gga tgg gcg gcc gca gag caa 216
Cys Leu Pro Val Phe Ala Gly Pro Gly Gly Trp Ala Ala Ala Glu Gln
20 25 30

aag ctc att tct gaa gag gac ttg gca cac cat cac cat cac cat ctg 264
Lys Leu Ile Ser Glu Glu Asp Leu Ala His His His His His His Leu
35 40 45

cag cca tta tct tgg cag gta agt gct gag ggt gac gat ccc ttc acc 312
Gln Pro Leu Ser Trp Gln Val Ser Ala Glu Gly Asp Asp Pro Phe Thr
50 55 60

tcg aaa gca agc tgataaagtc taagcccgcc taatgagcgg gctttttttt 364
Ser Lys Ala Ser
65

tactgacatc ctcgaggcct ttctctccac aggggtagat aactgaactt gtttattgca 424

ga 426

<210> 6
<211> 68
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: pAM8

<400> 6
Ser Ile Gln His Phe Arg Val Ala Leu Ile Pro Phe Phe Ala Ala Phe
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Cys Leu Pro Val Phe Ala Gly Pro Gly Gly Trp Ala Ala Ala Glu Gln

202204150900T

20

25

30

Lys Leu Ile Ser Glu Glu Asp Leu Ala His His His His His His Leu
35 40 45

Gln Pro Leu Ser Trp Gln Val Ser Ala Glu Gly Asp Asp Pro Phe Thr
50 55 60

Ser Lys Ala Ser
65

<210> 7

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Thrombospondin
derived peptide

<400> 7

Ser Pro Trp Ser Ser Ala Ser Val Thr Cys Gly Asp Gly Val Ile Thr
1 5 10 15

Arg Ile Arg

<210> 8

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: RGD motif

<400> 8

Cys Asp Cys Arg Gly Asp Cys Phe Cys
1 5

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